

DERWENT-WEEK: 199907

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TITLE: Electronic micro-module particularly for smart card -  
has antenna formed on underside of card with circuit chip  
in centre of antenna and overlapping it, and has contacts  
on top face of card

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APPLICATION-DATA:

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ABSTRACTED-PUB-NO: WO 9859319A

BASIC-ABSTRACT:

The electronic micro-module (1) has a coil antenna (5) and a support plate (2), with electrical contacts (C1-C8) on the front face (2-2) and integrated circuit (3) on the rear face (2-1).

The coil antenna is formed on the rear face of the support, running round the outer periphery of the support in a magnetically permeable zone of the support. The integrated circuit is placed in the centre of the antenna and overlaps the antenna. The underside of the card is coated with a protective layer to prevent damage to the microcircuit and to the antenna.

USE - USE - Electronic module for smart cards operating in contact mode or in hybrid mode with mixed contact and non-contact mode.

ADVANTAGE - ADVANTAGE - Simply and cheaply manufactured smart card that provides reliable connection of antenna to the microcircuit.

CHOSEN-DRAWING: Dwg.1/9

TITLE-TERMS: ELECTRONIC MICRO MODULE SMART CARD ANTENNA FORMING UNDERSIDE CARD  
CIRCUIT CHIP CENTRE ANTENNA OVERLAP CONTACT TOP FACE CARD